

Title (en)

METHOD FOR PRODUCING TETRAFLUORO(OXALATE)PHOSPHATE SOLUTION

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER TETRAFLUOR(OXALAT)PHOSPHATLÖSUNG

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE SOLUTION DE TÉTRAFLUORO(OXALATE)PHOSPHATE

Publication

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Application

EP 13797369 A 20130529

Priority

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Abstract (en)

The present invention provides a method of safely producing a solution containing a tetrafluoro(oxalate)phosphate in which the amounts of chlorine compounds and free acids are low such that crystallization refinement is not required in a post-process. The method produces a tetrafluoro (oxalate) phosphate solution by mixing a tetrafluoro(oxalate)phosphate with oxalic acid in a non-aqueous solvent and then adding silicon tetrachloride to the resulting mixture solution for reaction. In the reaction, the addition ratio of the hexafluorophosphate, oxalic acid, and silicon tetrachloride is controlled such that the amount of the hexafluorophosphate is 1.90 moles or more and the amount of the oxalic acid is 1.90 to 2.10 moles, based on 1 mole of the silicon tetrachloride.

IPC 8 full level

C07F 9/6574 (2006.01); **H01M 10/0525** (2010.01); **H01M 10/0567** (2010.01); **H01M 10/0568** (2010.01)

CPC (source: EP KR US)

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